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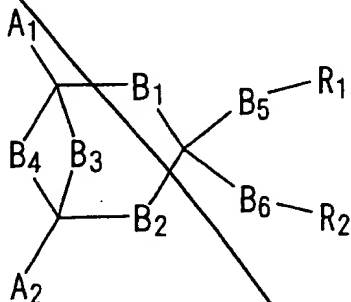
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What is claimed is:

1 An electro luminescent element comprising at least one organic compound layer between electrodes, wherein,

at least one said organic compound layer is a condensed ring compound derivative represented by the chemical formula,



in which A1 and A2 represent substituents, B1 through B6 represent directly combined or 2-functional substituents, and R1 and R2 represent functional units with hole transporting ability, luminescence, and electron transporting ability.

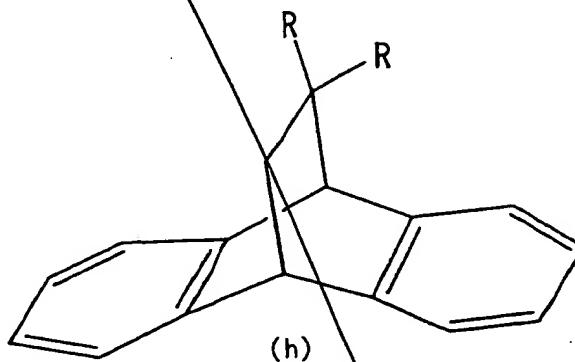
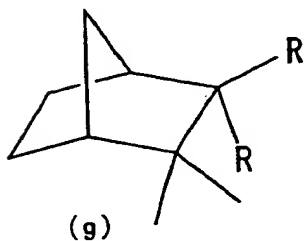
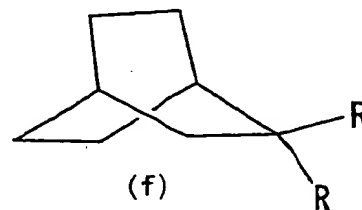
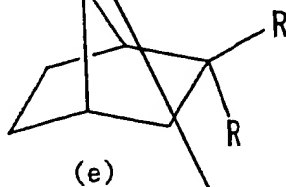
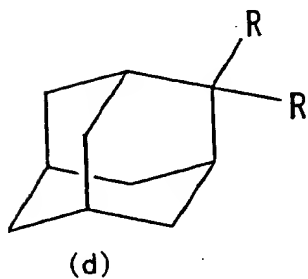
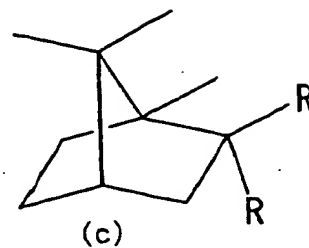
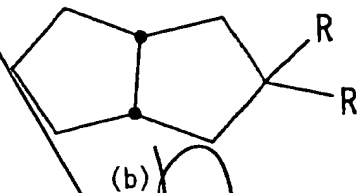
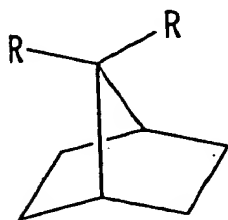
2 An electro luminescent element according to claim 1, wherein each of said functional units R1 and R2 is selected from the group consisting of triphenylamine, coumarin, and oxadiazole derivative.

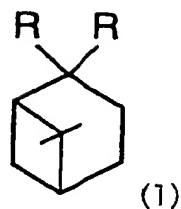
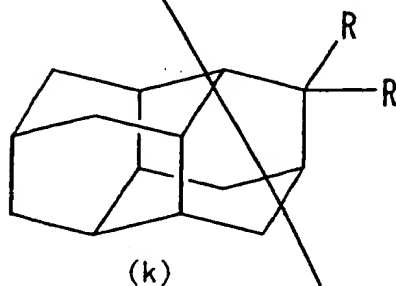
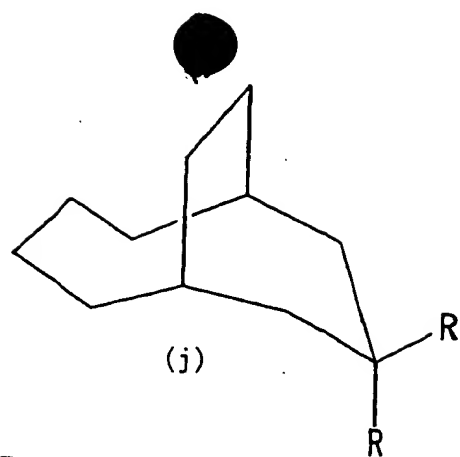
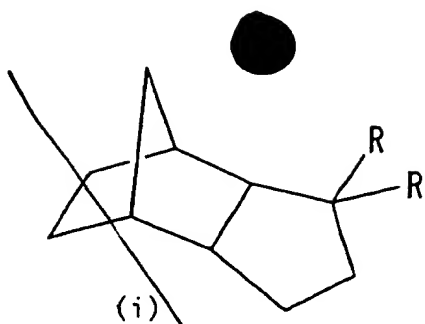
3. An electro luminescent element according to claim 1, wherein said condensed ring compound derivative is distributed among host materials and the host materials are further layered

in said organic compound layer.

4. An electro luminescent element according to claim 1,
wherein said condensed ring compound derivative has a structure

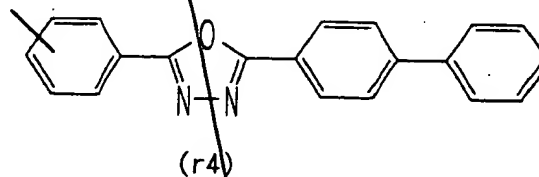
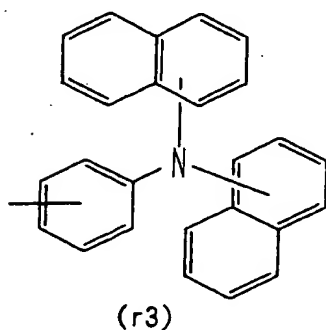
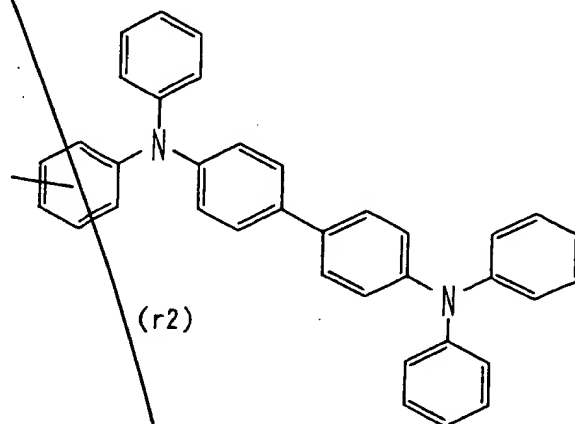
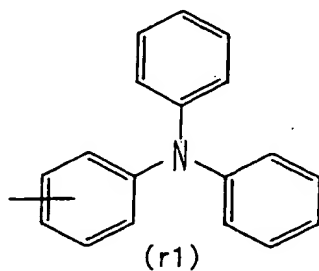
5 represented by one of the following chemical formulae, (a) to (l):



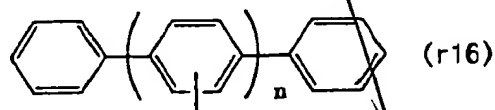
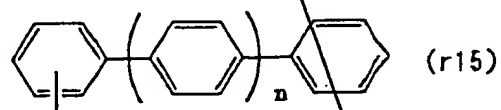
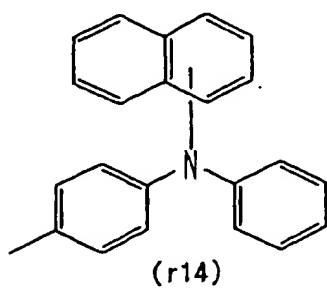
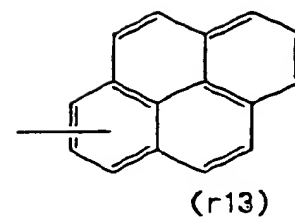
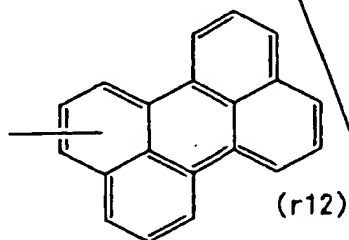
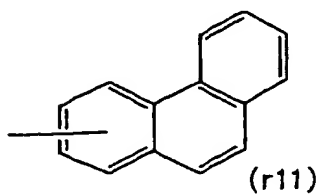
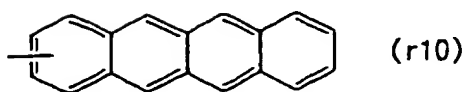
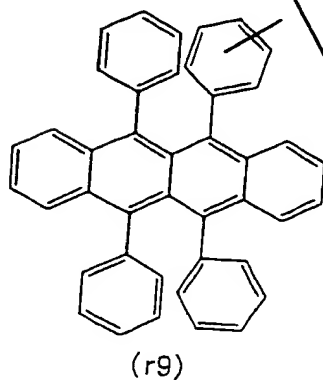
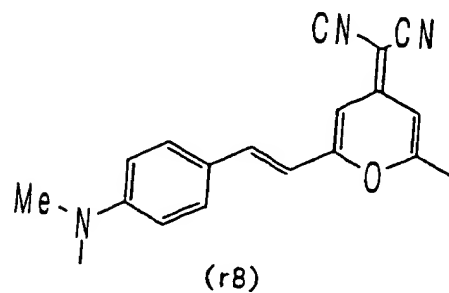
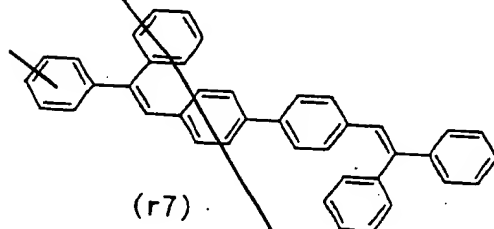
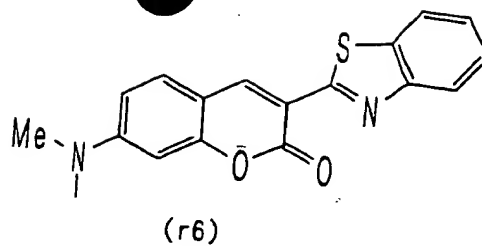
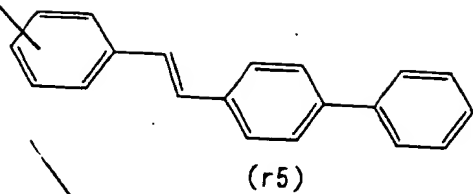


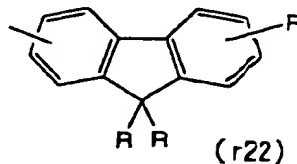
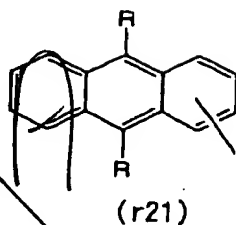
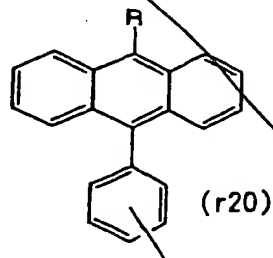
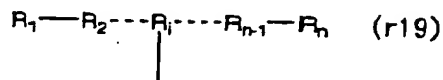
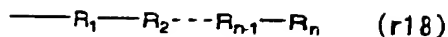
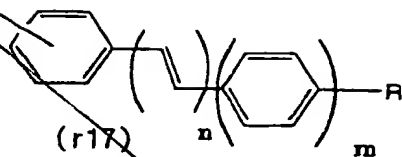
in which R represents said functional unit.

5. An electro luminescent element according to claim 1, wherein, said functional unit has a structure represented by one of the following chemical formulae, (r1) to (r22):



and





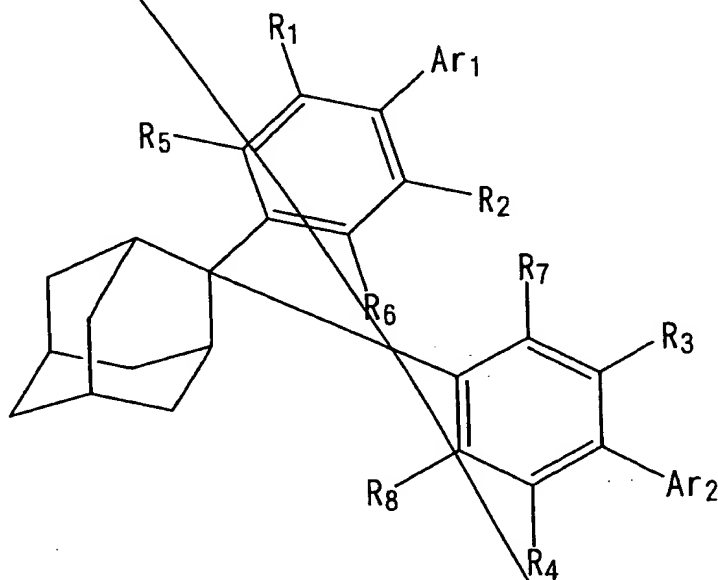
in which n, m, and i represent integers, R represents saturated hydrocarbon from C1 through C30, an isomer thereof, or an aromatic compound.

6. An electro luminescent element according to claim 5, wherein said aromatic compound R is selected from the group consisting of phenyl, naphthyl, indenyl, fluorenyl, phenanthryl, anthranyl, pyrenyl, chrysenyl, naphthacenyl, benzophenanthrenyl, furanyl, thiophenyl, pyrrolyl, oxazolyl, isoxazolyl, pyrazolyl, triazolyl, furazalyl, pyridyl, oxazol, morpholyl, thiazyl, pyridazyl, pyrimidyl, pyrazyl, triazyl, benzofuryl, isobenzofuryl, benzothiophenyl, indolyl, isoindolyl, benzoxazolyl, benzothiazolyl, benzoimidazolyl, chromeryl, quinolyl, isoquinolyl, cinnolyl, phthalazyl, quinazolyl, quinoxalyl, dibenzofuril, carbazolyl, xanthenyl, acridinyl, phenanthridinyl, phenanthryl, phenaziny, phenoxaziny, thianthrenyl, indoliziny, quinoliziny,

naphthyridinyl, purinyl, puritedinyl, oxadiazolyl, oxathiazolyl,
>C=C<, >C=N-, -N=N-, -N(R)-, -O-, -S-, -SO-, -SO₂-, -Si(R₂)-, >C=Si<,
-C≡C-, and -B(R)-.

5 7. An electro luminescent element comprising at least one
organic compound layer between electrodes, wherein,

at least one said organic compound layer is an adamantane
derivative represented by the chemical formula,



in which R₁ through R₈ represent substituents, and Ar₁ and Ar₂
represent functional units having hole transporting ability,
25 luminescence, and electron transporting ability.

8. An electro luminescent element according to claim 7,
wherein,

said adamantane derivative is distributed among host
materials and the host materials are further layered in said organic
5 compound layer.

9. An electro luminescent element according to claim 7,
wherein each of said substituents R1 through R8 is a functional
group selected from a group of alkyl group, aryl group, allyl group,
10 alkene group, alkyne group, alkoxy group, hydroxyl group,
hydroxylate group, thiocarboxy group, dithiocarboxy group, sulfo
group, sulfinio group, sulfeno group, oxycarbonyl group, haloformyl
group, carbamoyl group, hydrazinocarbonyl group, amidino group,
cyano group, isocyano group, cyanato group, isocyanato group,
15 thiocyanato group, isothiocyanato group, formyl group, oxo group,
thioformyl group, thioxo group, mercapto group, amino group, imino
group, hydrazino group, aryloxy group, sulfide group, halogen group,
nitro group, and silyl group.

20 10. An electro luminescent element according to claim 7,
wherein each of said functional units Ar1 and Ar2 has an aryl
skeleton as a basic skeleton.

11. An electro luminescent element according to claim 10,
25 wherein said aryl skeleton is selected from the group of consisting

of phenyl, naphthyl, and phenanthryl.

12. An electro luminescent element according to claim 10,
wherein each of said functional units Ar1 and Ar2 is further
5 substituted by a functional group selected from a group of alkyl
group, aryl group, allyl group, alkene group, alkyne group, alkoxy
group, hydroxyl group, hydroxylate group, thiocarboxy group,
dithiocarboxy group, sulfo group, sulfinio group, sulfeno group,
oxycarbonyl group, haloformyl group, carbamoyl group,
10 hydrazinocarbonyl group, amidino group, cyano group, isocyano group,
cyanato group, isocyanato group, thiocyanato group, isothiocyanato
group, formyl group, oxo group, thioformyl group, thioxo group,
mercapto group, amino group, imino group, hydrazino group, alkoxy
group, aryloxy group, sulfide group, halogen group, nitro group,
15 and silyl group.

13. An electro luminescent element according to claim 7,
wherein said adamantane derivative has a structure represented by
one of the following chemical formulae (a1) to (a13):

15

(a1)

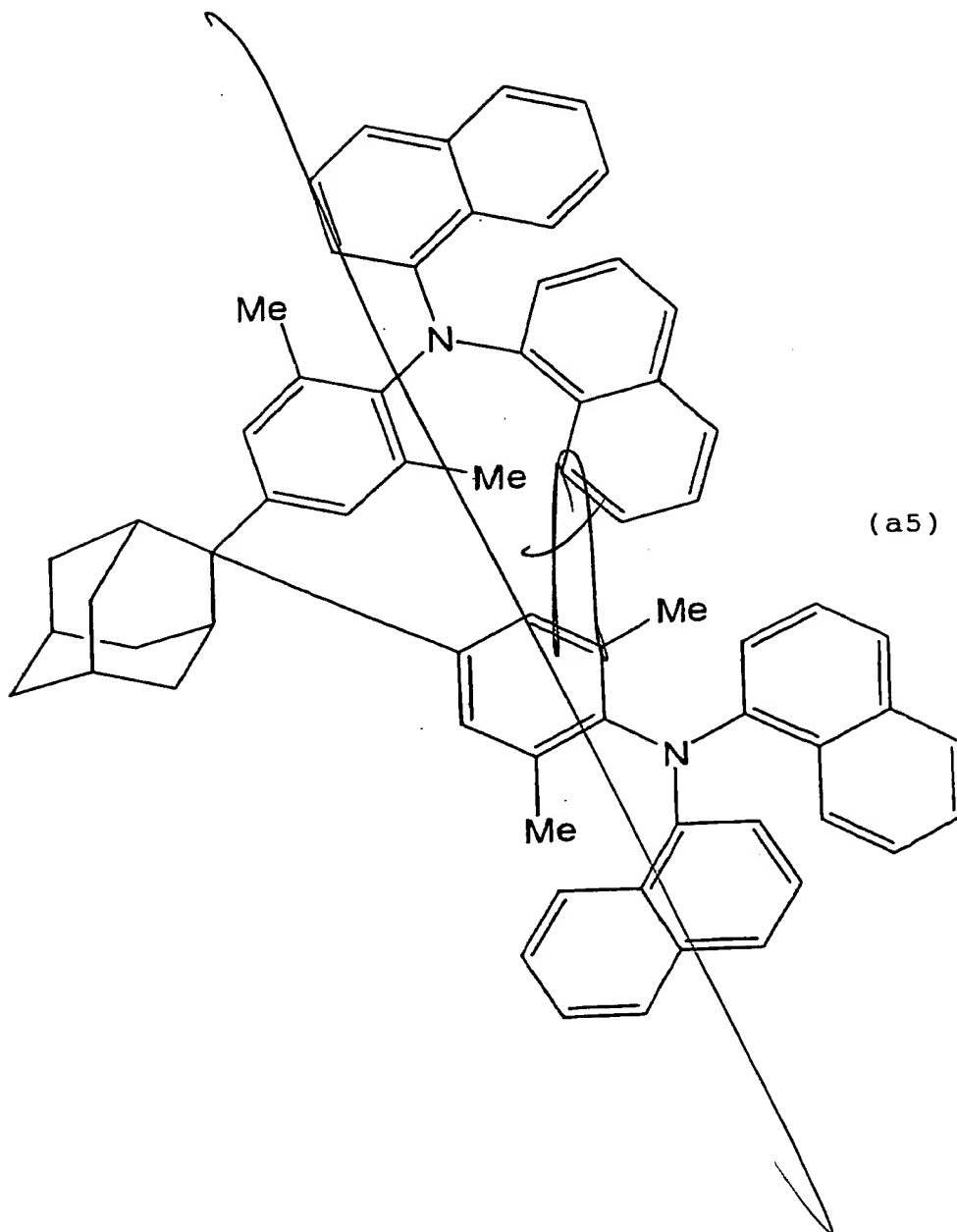
(a2)

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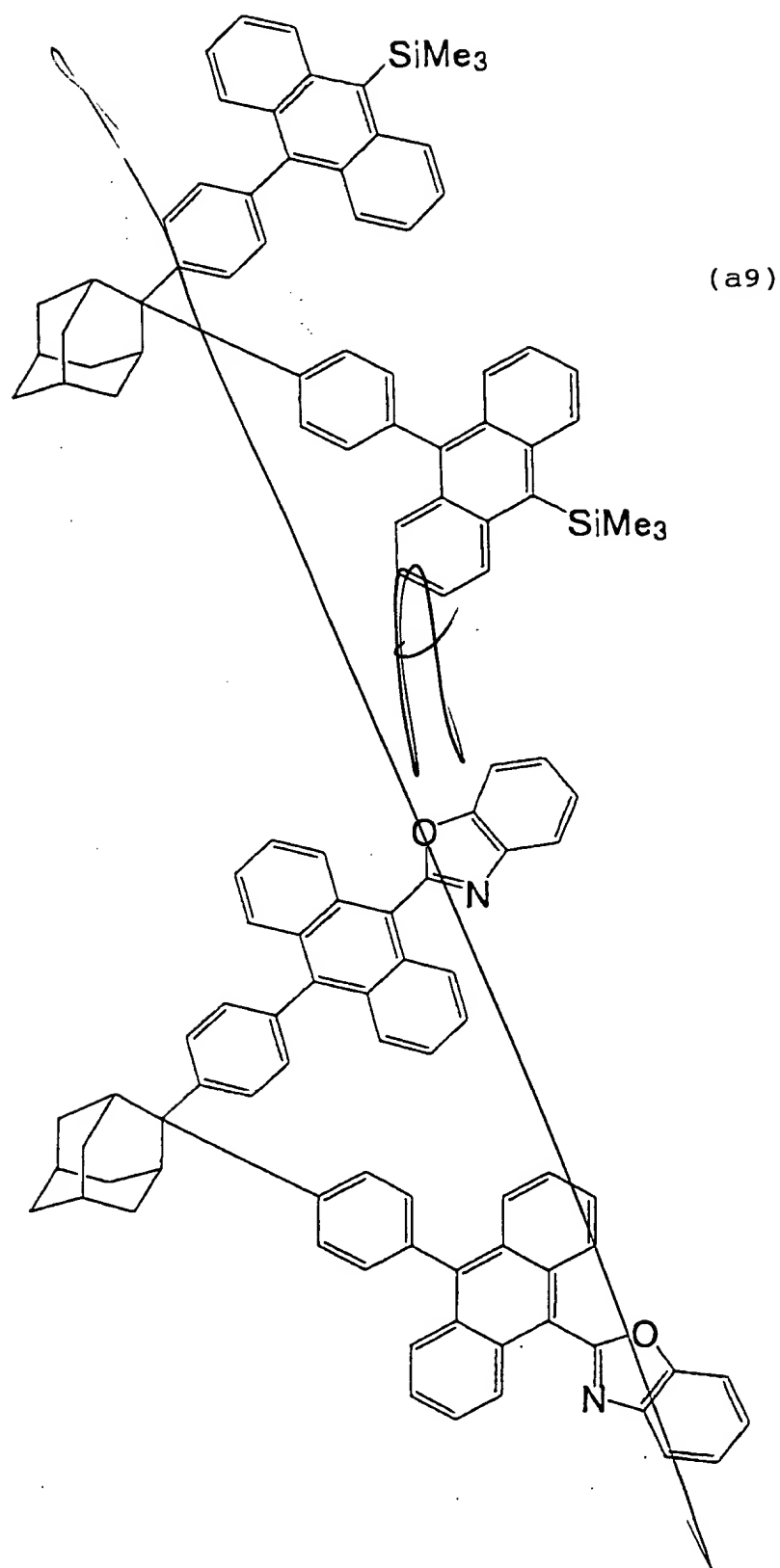


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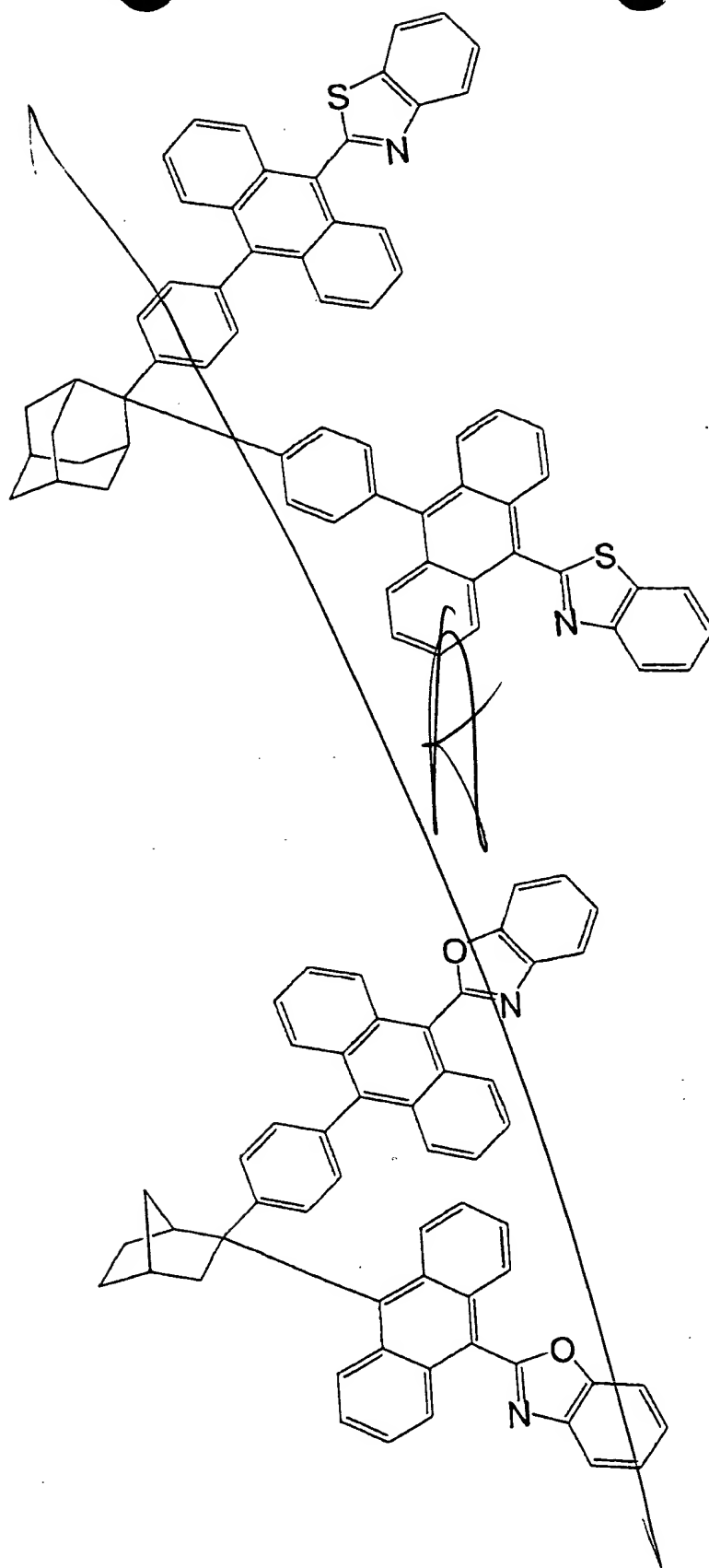
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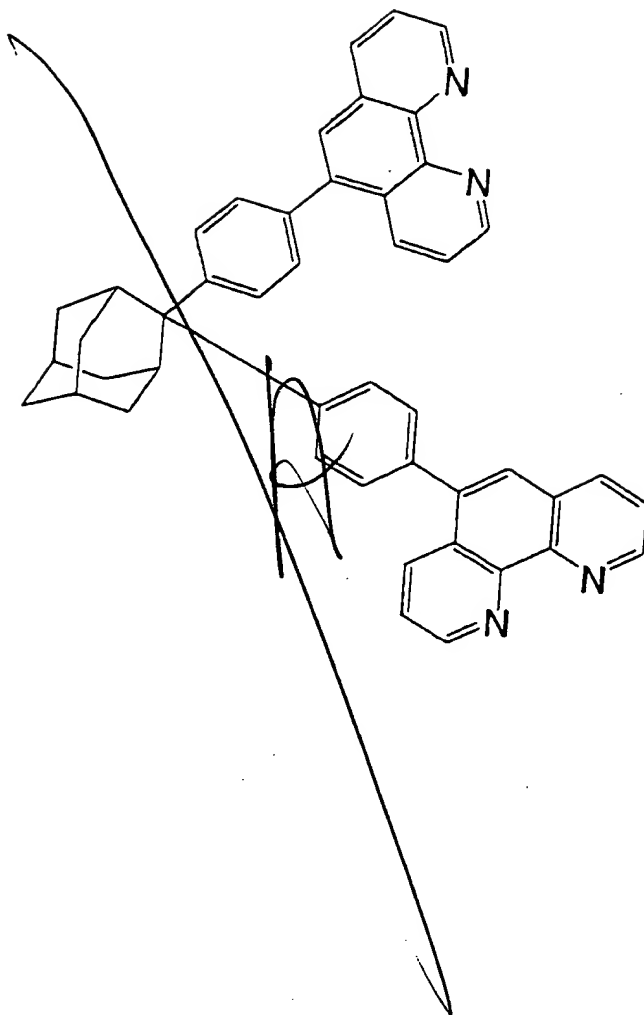


(a11)

(a12)

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(a13)

ADD
A3